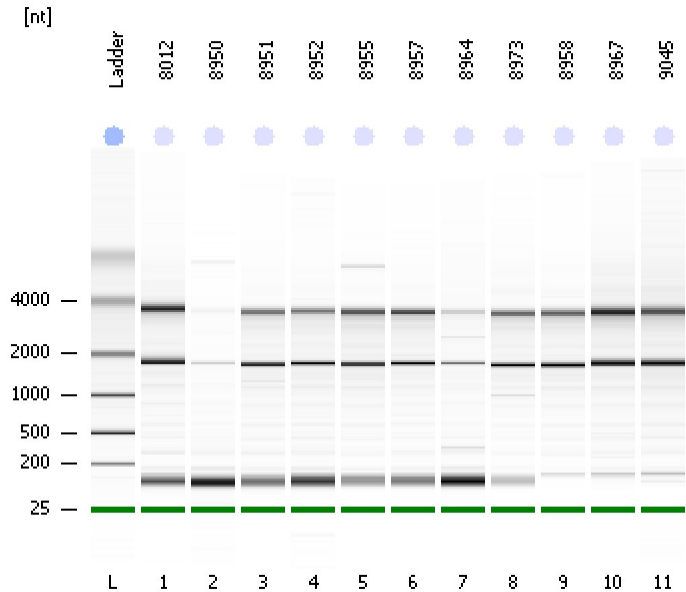


Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2019-03-08\2019-03-08_009.xad

Created: 3/8/2019 4:01:41 PM
Modified: 3/8/2019 4:29:15 PM

Electrophoresis File Run Summary



Instrument Information:

Instrument Name: DE34903152 Firmware: C.01.069
Serial#: DE34903152 Type: G2938C

Assay Information:

Assay Origin Path: C:\Program Files\Agilent\2100 bioanalyzer\2100 expert\assays\RNA\Eukaryote Total RNA Pico Series II.xsy

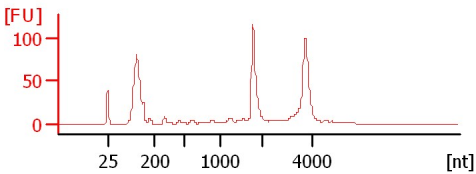
Assay Class: Eukaryote Total RNA Pico
Version: 2.6
Assay Comments: Total RNA Analysis pg sensitivity (Eukaryote)

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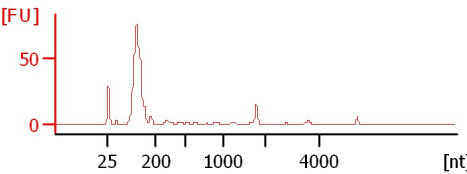
Chip Information:

Chip Lot #:
Reagent Kit Lot #:
Chip Comments:

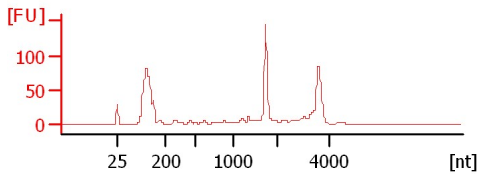
8012
RIN: 8.90



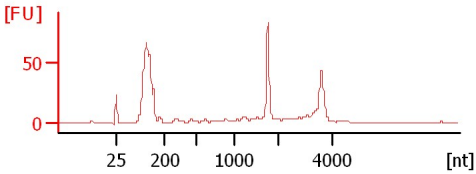
8950
RIN: 3



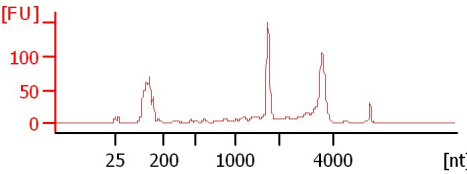
8951
RIN: 8.10



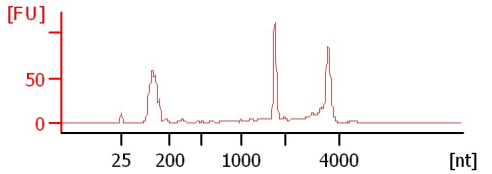
8952
RIN: 7.90



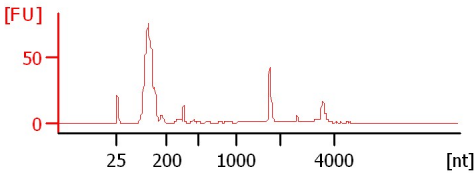
8955
RIN: 8.20



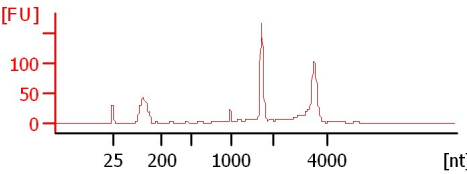
8957
RIN: 8.40



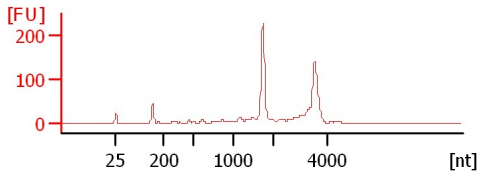
8964
RIN: 5.40



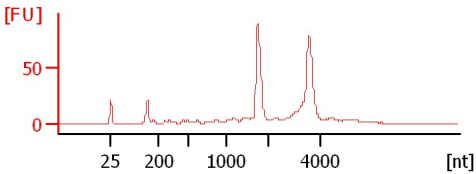
8973
RIN: 8.40



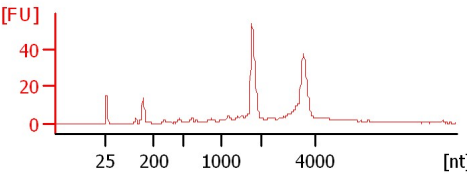
8958
RIN: 8.40



8967
RIN: 9.20



9045
RIN: 8.70



Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\... bioanalyzer\2100 expert\data\2019-03-08\2019-03-08_009.xad

Created: 3/8/2019 4:01:41 PM
 Modified: 3/8/2019 4:29:15 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Status	Result Label	Result Color
8012		✓	RIN: 8.90	
8950		✓	RIN:3	
8951		✓	RIN: 8.10	
8952		✓	RIN: 7.90	
8955		✓	RIN: 8.20	
8957		✓	RIN: 8.40	
8964		✓	RIN: 5.40	
8973		✓	RIN: 8.40	
8958		✓	RIN: 8.40	
8967		✓	RIN: 9.20	
9045		✓	RIN: 8.70	
Ladder		✓	All Other Samples	

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2019-03-08\2019-03-08_009.xad

Created: 3/8/2019 4:01:41 PM
Modified: 3/8/2019 4:29:15 PM

Electrophoresis Assay Details

General Analysis Settings

Number of Available Sample and Ladder Wells (Max.) : 12
Minimum Visible Range [s] : 17
Maximum Visible Range [s] : 70
Start Analysis Time Range [s] : 18
End Analysis Time Range [s] : 69
Ladder Concentration [pg/μl] : 1000
Lower Marker Concentration [pg/μl] : 0
Upper Marker Concentration [pg/μl] : 0
Used Lower Marker for Quantitation
Standard Curve Fit is Logarithmic
Show Data Aligned to Lower Marker

Integrator Settings

Integration Start Time [s] : 18
Integration End Time [s] : 69
Slope Threshold : 0.6
Height Threshold [FU] : 0.5
Area Threshold : 0.2
Width Threshold [s] : 0.3
Baseline Plateau [s] : 6

Filter Settings

Filter Width [s] : 0.5
Polynomial Order : 4

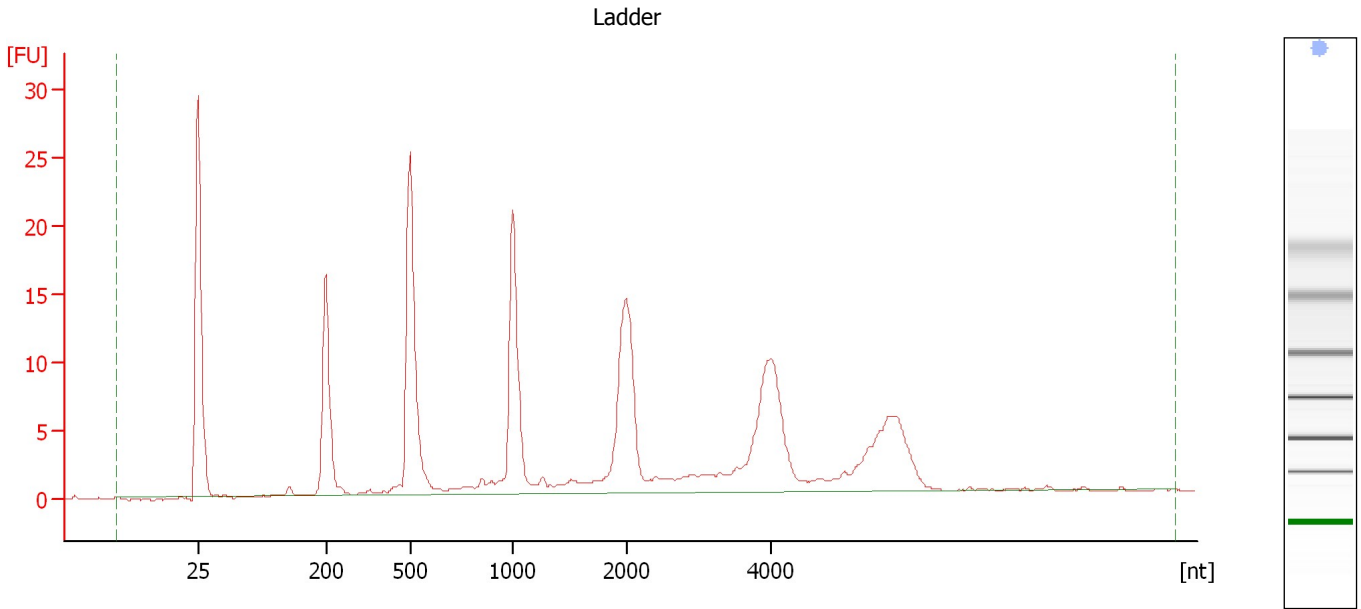
Ladder

Ladder Peak	Size
1	25
2	200
3	500
4	1000
5	2000
6	4000

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2019-03-08\2019-03-08_009.xad

Created: 3/8/2019 4:01:41 PM
Modified: 3/8/2019 4:29:15 PM

Electropherogram Summary



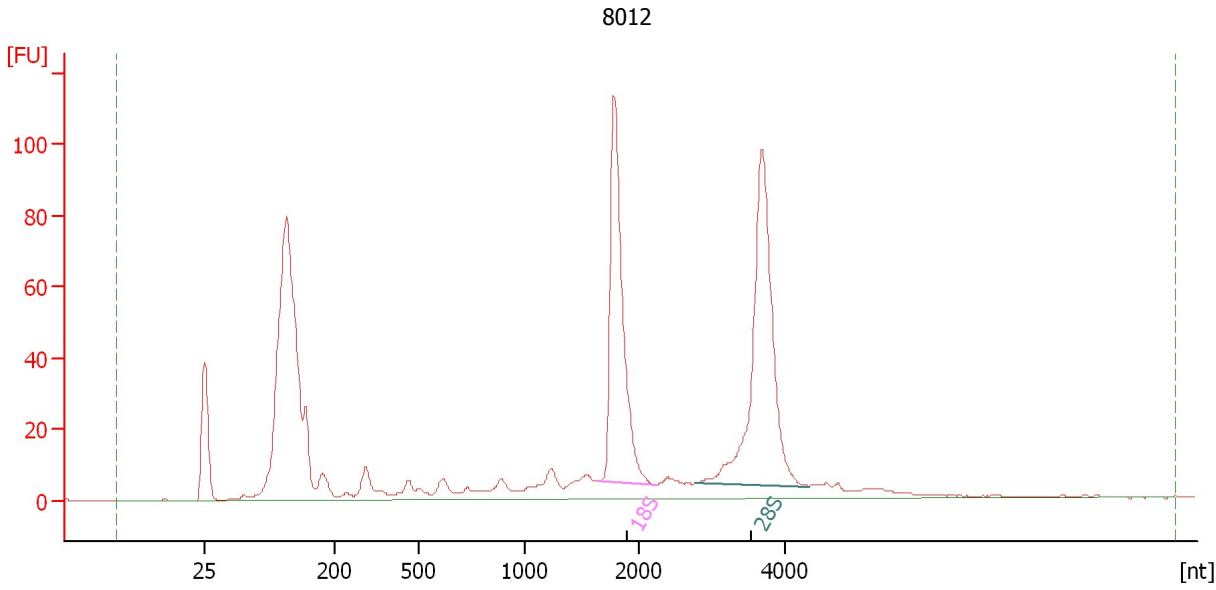
Overall Results for Ladder

RNA Area:	185.3	Result Flagging Color:	
RNA Concentration:	1,000 pg/μl	Result Flagging Label:	All Other Samples

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2019-03-08\2019-03-08_009.xad

Created: 3/8/2019 4:01:41 PM
Modified: 3/8/2019 4:29:15 PM

Electropherogram Summary Continued ...



Overall Results for sample 1 : 8012

RNA Area:	917.4	RNA Integrity Number (RIN):	8.9 (B.02.08)
RNA Concentration:	4,951 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.2	Result Flagging Label:	RIN: 8.90

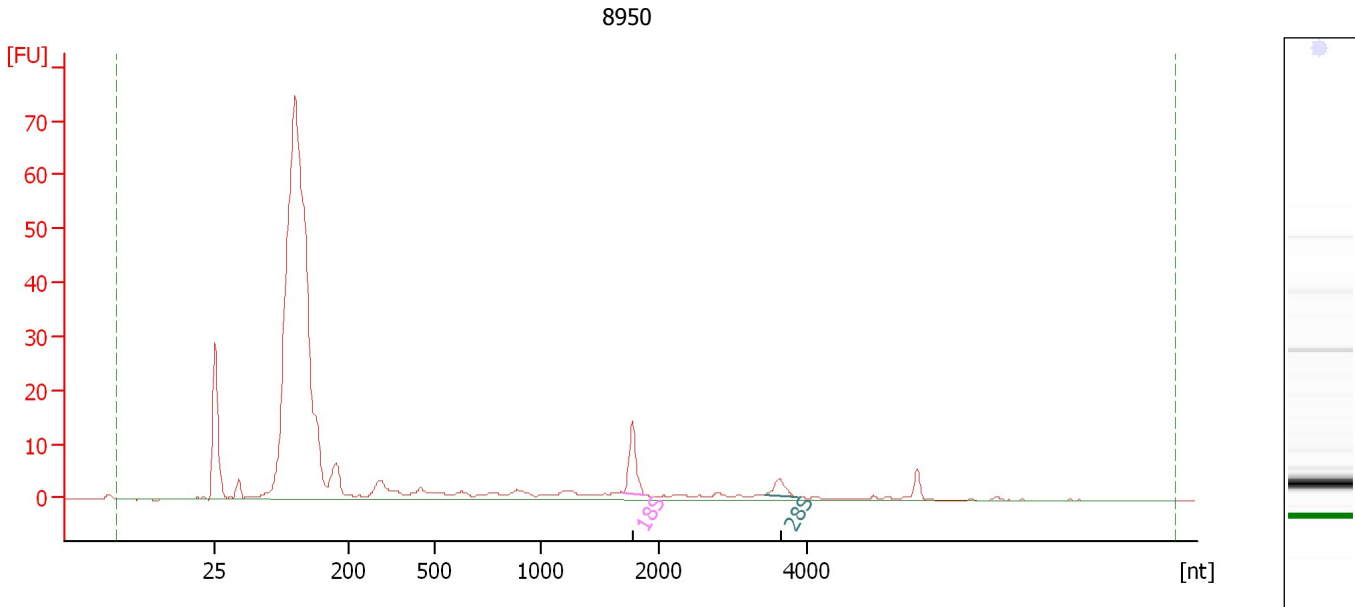
Fragment table for sample 1 : 8012

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,644	2,246	164.8	18.0
28S	2,772	4,323	201.2	21.9

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\... bioanalyzer\2100 expert\data\2019-03-08\2019-03-08_009.xad

Created: 3/8/2019 4:01:41 PM
 Modified: 3/8/2019 4:29:15 PM

Electropherogram Summary Continued ...



Overall Results for sample 2 : 8950

RNA Area:	402.7	RNA Integrity Number (RIN):	3 (B.02.08, Anomaly Threshold(s) manually adapted)
RNA Concentration:	2,173 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.3	Result Flagging Label:	RIN:3

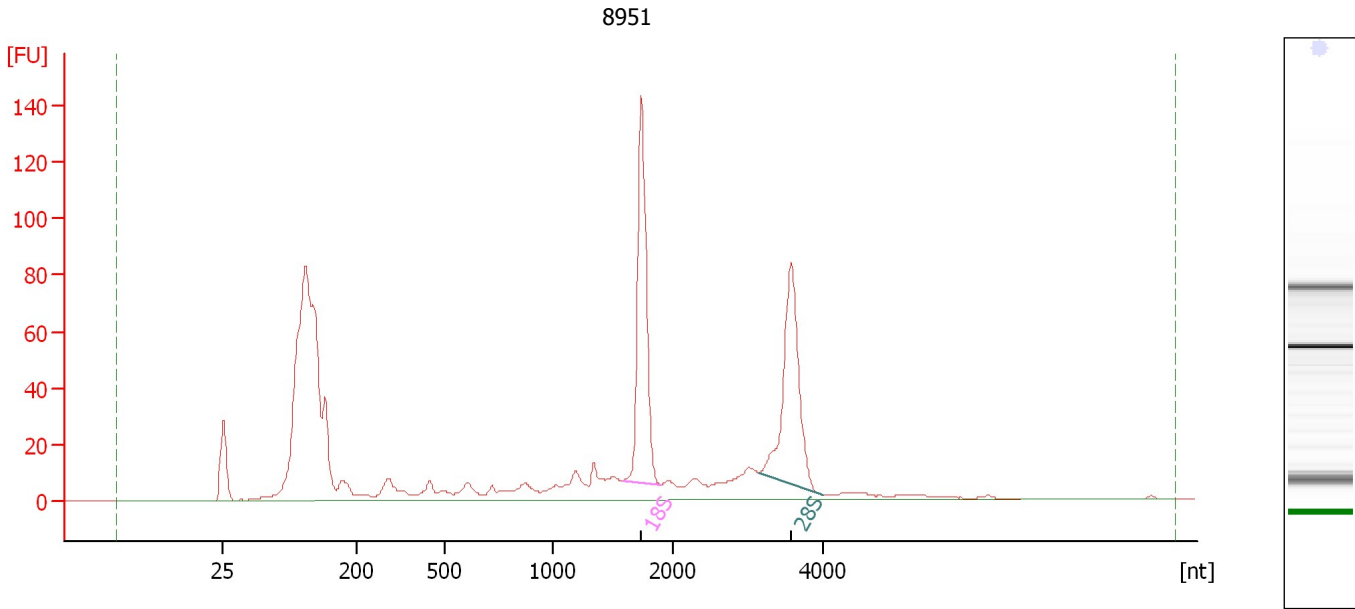
Fragment table for sample 2 : 8950

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,692	1,883	11.3	2.8
28S	3,421	3,865	3.8	0.9

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2019-03-08\2019-03-08_009.xad

Created: 3/8/2019 4:01:41 PM
Modified: 3/8/2019 4:29:15 PM

Electropherogram Summary Continued ...



Overall Results for sample 3 : 8951

RNA Area:	950.6	RNA Integrity Number (RIN):	8.1 (B.02.08)
RNA Concentration:	5,130 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.9	Result Flagging Label:	RIN: 8.10

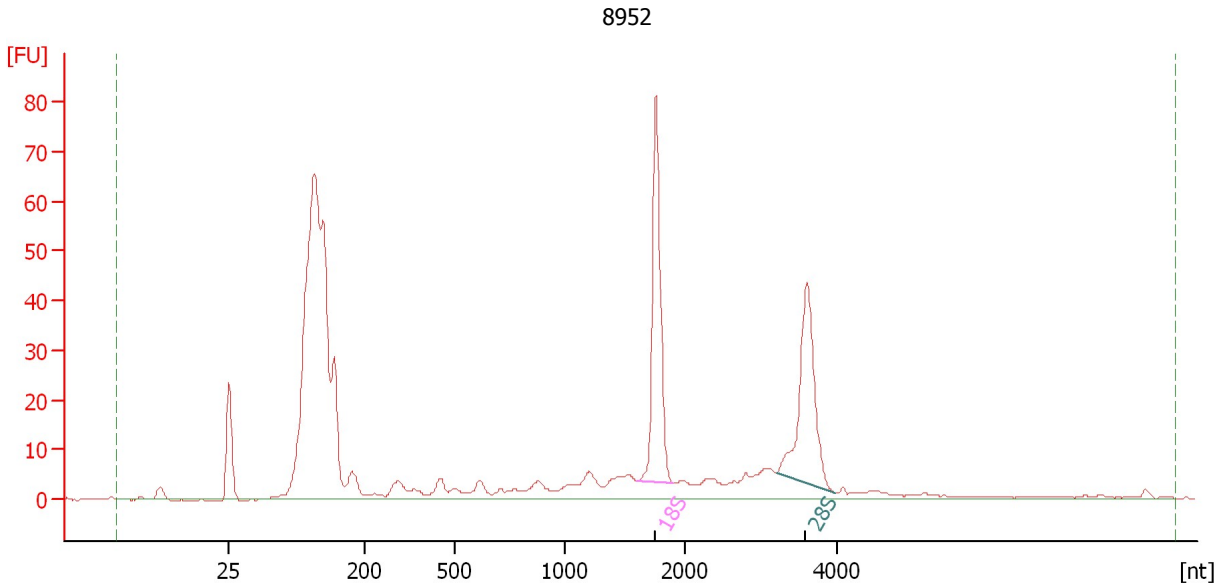
Fragment table for sample 3 : 8951

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,579	1,902	145.1	15.3
28S	3,146	3,979	127.3	13.4

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\... bioanalyzer\2100 expert\data\2019-03-08\2019-03-08_009.xad

Created: 3/8/2019 4:01:41 PM
 Modified: 3/8/2019 4:29:15 PM

Electropherogram Summary Continued ...



Overall Results for sample 4 : 8952

RNA Area:	600.7	RNA Integrity Number (RIN):	7.9 (B.02.08, Anomaly Threshold(s) manually adapted)
RNA Concentration:	3,242 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.8	Result Flagging Label:	RIN: 7.90

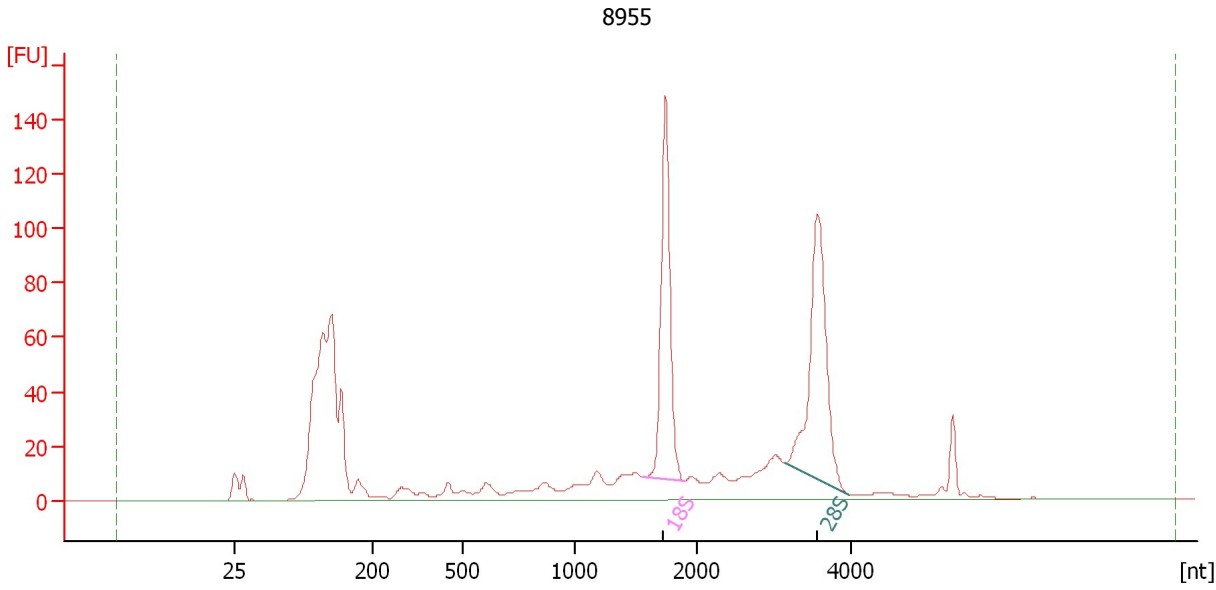
Fragment table for sample 4 : 8952

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,609	1,911	75.0	12.5
28S	3,200	3,967	63.1	10.5

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2019-03-08\2019-03-08_009.xad

Created: 3/8/2019 4:01:41 PM
Modified: 3/8/2019 4:29:15 PM

Electropherogram Summary Continued ...



Overall Results for sample 5 : 8955

RNA Area:	974.6	RNA Integrity Number (RIN):	8.2 (B.02.08)
RNA Concentration:	5,260 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.1	Result Flagging Label:	RIN: 8.20

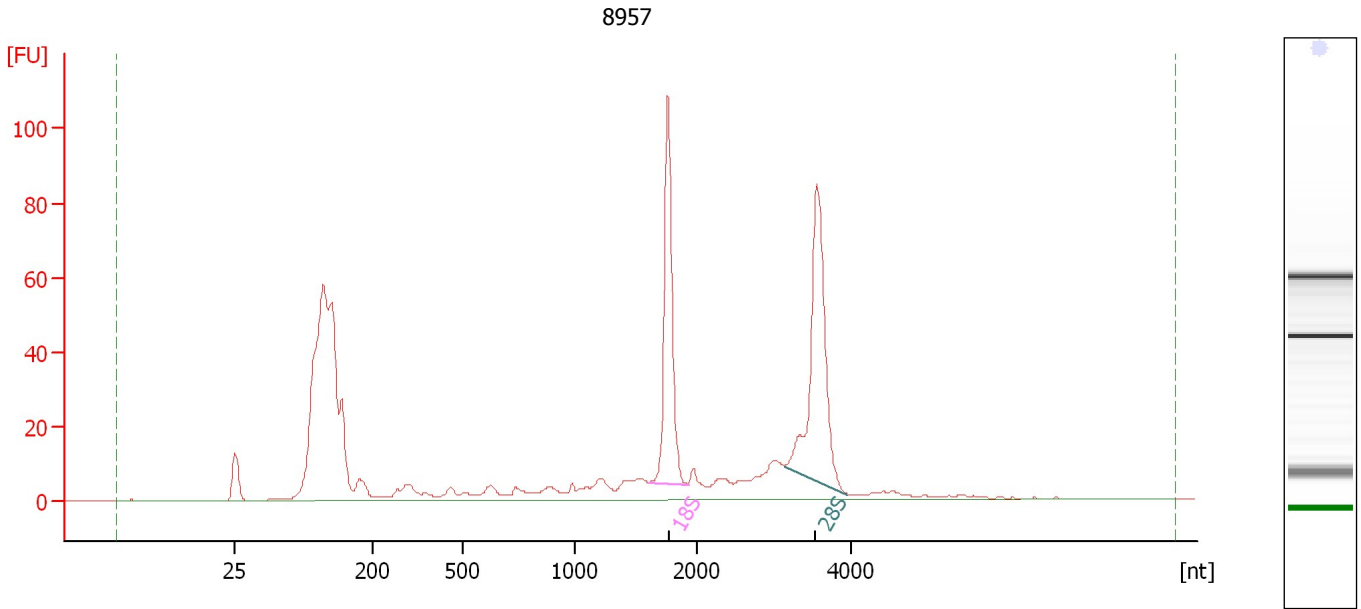
Fragment table for sample 5 : 8955

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,568	1,902	150.5	15.4
28S	3,142	3,982	165.0	16.9

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2019-03-08\2019-03-08_009.xad

Created: 3/8/2019 4:01:41 PM
Modified: 3/8/2019 4:29:15 PM

Electropherogram Summary Continued ...



Overall Results for sample 6 : 8957

RNA Area:	689.0	RNA Integrity Number (RIN):	8.4 (B.02.08)
RNA Concentration:	3,718 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.2	Result Flagging Label:	RIN: 8.40

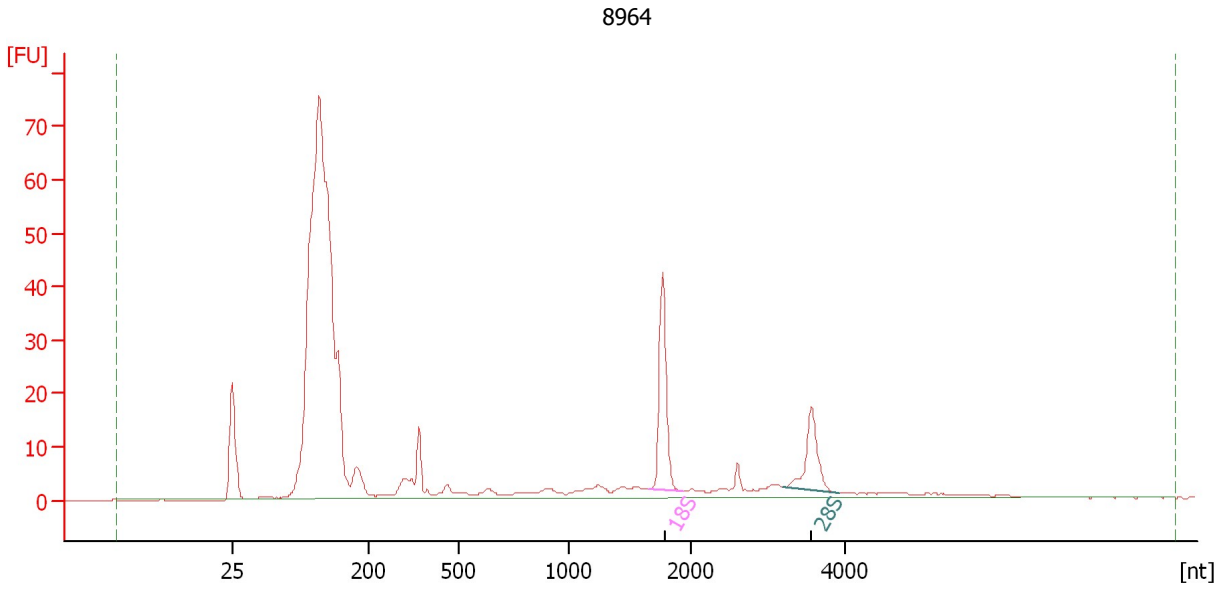
Fragment table for sample 6 : 8957

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,604	1,937	99.9	14.5
28S	3,142	3,955	117.1	17.0

Assay Class: Eukaryote Total RNA Pico
 Data Path: C:\... bioanalyzer\2100 expert\data\2019-03-08\2019-03-08_009.xad

Created: 3/8/2019 4:01:41 PM
 Modified: 3/8/2019 4:29:15 PM

Electropherogram Summary Continued ...



Overall Results for sample 7 : 8964

RNA Area:	480.2	RNA Integrity Number (RIN):	5.4 (B.02.08, Anomaly Threshold(s) manually adapted)
RNA Concentration:	2,592 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.6	Result Flagging Label:	RIN: 5.40

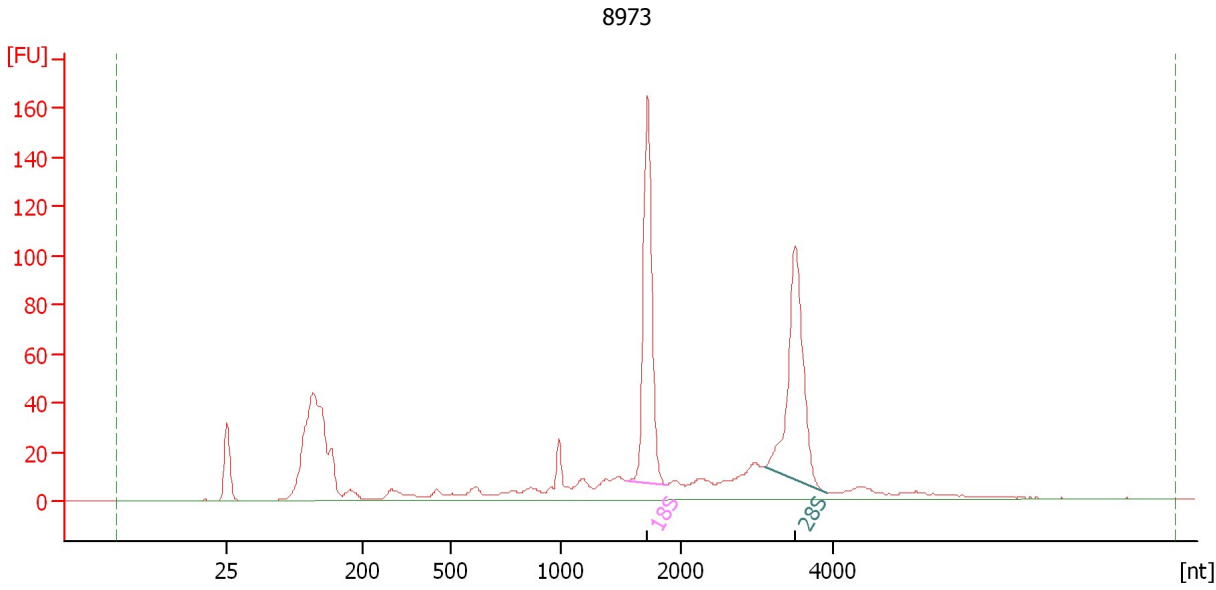
Fragment table for sample 7 : 8964

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,650	1,942	33.4	7.0
28S	3,212	3,933	19.3	4.0

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2019-03-08\2019-03-08_009.xad

Created: 3/8/2019 4:01:41 PM
Modified: 3/8/2019 4:29:15 PM

Electropherogram Summary Continued ...



Overall Results for sample 8 : 8973

RNA Area:	853.6	RNA Integrity Number (RIN):	8.4 (B.02.08)
RNA Concentration:	4,606 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.0	Result Flagging Label:	RIN: 8.40

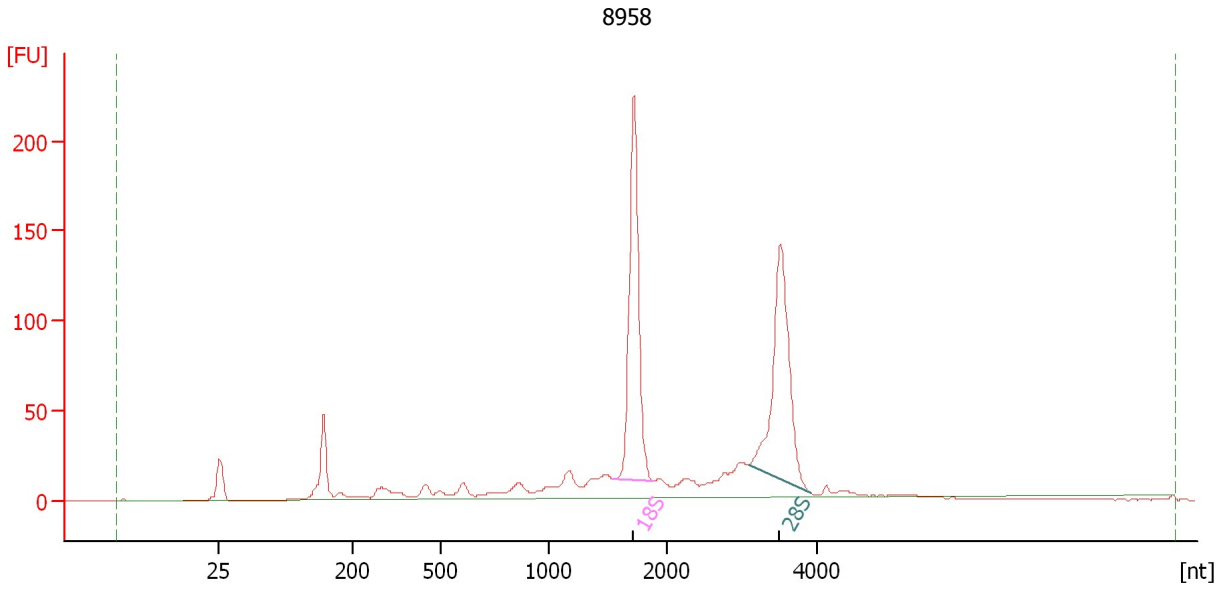
Fragment table for sample 8 : 8973

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,552	1,881	161.2	18.9
28S	3,102	3,915	153.6	18.0

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2019-03-08\2019-03-08_009.xad

Created: 3/8/2019 4:01:41 PM
Modified: 3/8/2019 4:29:15 PM

Electropherogram Summary Continued ...



Overall Results for sample 9 : 8958

RNA Area:	921.7	RNA Integrity Number (RIN):	8.4 (B.02.08)
RNA Concentration:	4,974 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	0.9	Result Flagging Label:	RIN: 8.40

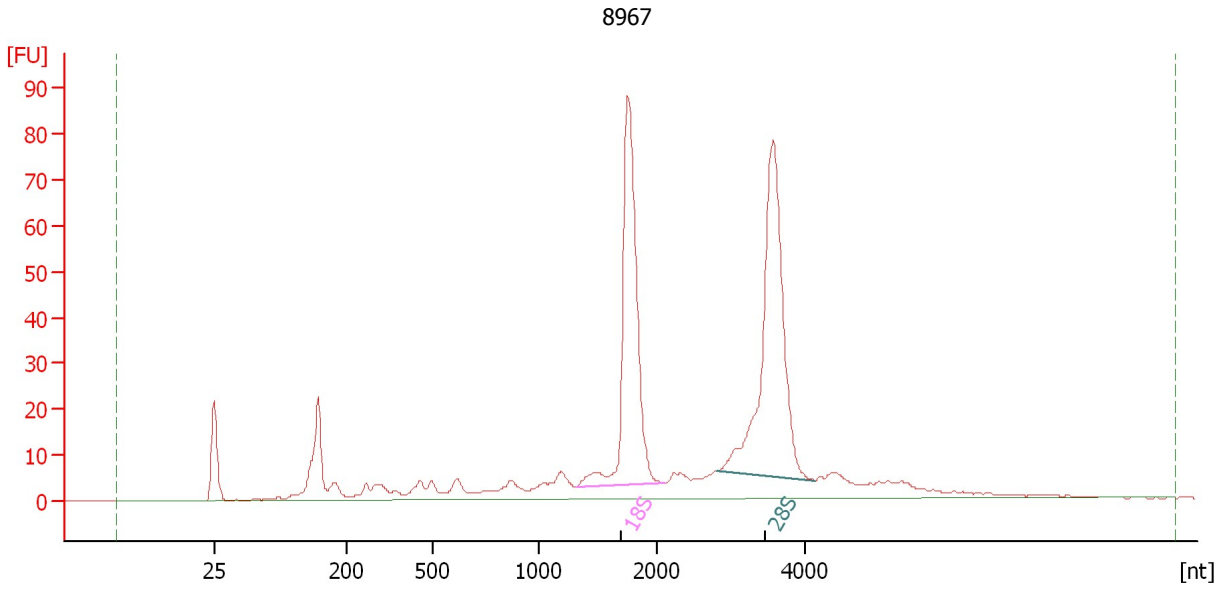
Fragment table for sample 9 : 8958

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,554	1,880	246.8	26.8
28S	3,090	3,928	229.8	24.9

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2019-03-08\2019-03-08_009.xad

Created: 3/8/2019 4:01:41 PM
Modified: 3/8/2019 4:29:15 PM

Electropherogram Summary Continued ...



Overall Results for sample 10 : 8967

RNA Area:	584.6	RNA Integrity Number (RIN):	9.2 (B.02.08)
RNA Concentration:	3,155 pg/μl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.1	Result Flagging Label:	RIN: 9.20

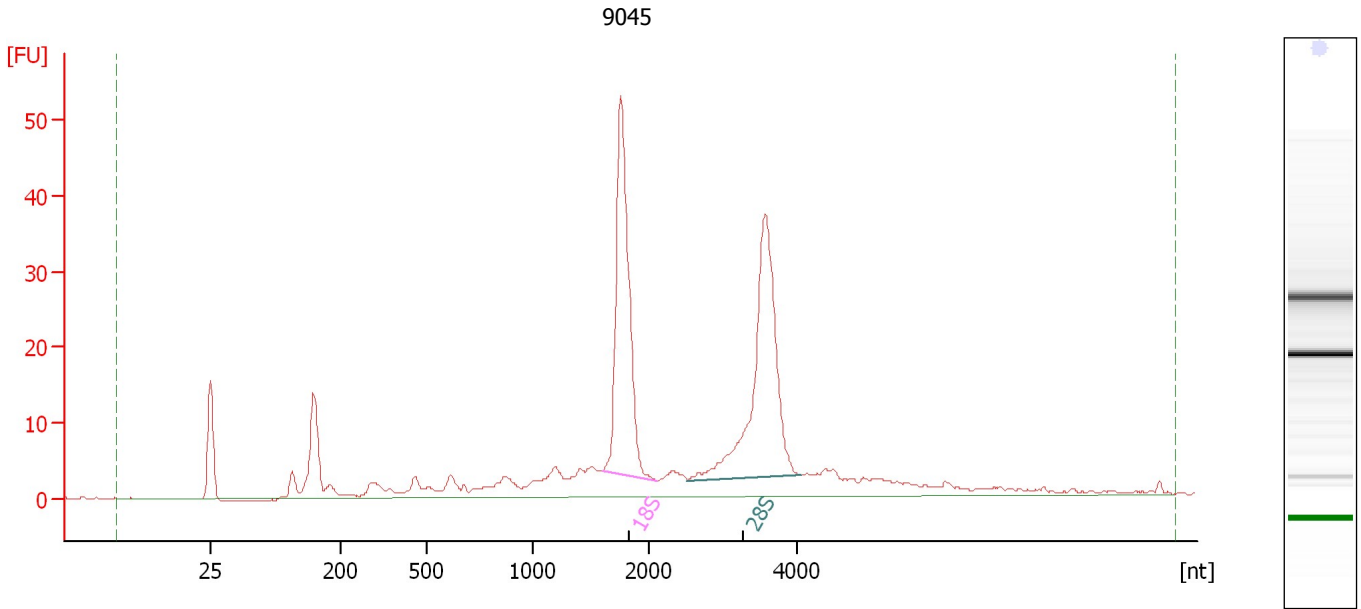
Fragment table for sample 10 : 8967

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,315	2,101	145.9	24.9
28S	2,805	4,139	162.3	27.8

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2019-03-08\2019-03-08_009.xad

Created: 3/8/2019 4:01:41 PM
Modified: 3/8/2019 4:29:15 PM

Electropherogram Summary Continued ...



Overall Results for sample 11 : 9045

RNA Area:	330.7	RNA Integrity Number (RIN):	8.7 (B.02.08)
RNA Concentration:	1,785 µg/µl	Result Flagging Color:	
rRNA Ratio [28s / 18s]:	1.1	Result Flagging Label:	RIN: 8.70

Fragment table for sample 11 : 9045

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,599	2,123	78.3	23.7
28S	2,528	4,077	84.0	25.4

Assay Class: Eukaryote Total RNA Pico
Data Path: C:\... bioanalyzer\2100 expert\data\2019-03-08\2019-03-08_009.xad

Created: 3/8/2019 4:01:41 PM
Modified: 3/8/2019 4:29:15 PM

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